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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/598,490	07/16/2007	Md Murshidul Islam	112624.00165	6269
26707 QUARLES & F	7590 06/03/200 BRADY LLP	EXAMINER		
RENAISSANC	E ONE	PATEL, RAJNIKANT B		
TWO NORTH CENTRAL AVENUE PHOENIX, AZ 85004-2391			ART UNIT	PAPER NUMBER
			2838	
			MAIL DATE	DELIVERY MODE
			06/03/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary    To the MAILING DATE of this communication appears on the cover sheet with the correspondence address		Annlication No.	Annlinent/a)					
## Examiner   RAJNIKANT B. PATEL   2838  ## FRAJORIANT B. PAT		Application No.	Applicant(s)					
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS CONSER, FROM THE MAILING DATE OF THIS COMMUNICATION.  **AHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS CONSER, FROM THE MAILING DATE OF THIS COMMUNICATION.  **I NO period for reply is specified above, the revisional state of Story (3) SCINT-RS from the reading date of this communication.  **I NO period for reply is specified above, the revisional state of Story (3) SCINT-RS from the reading date of the communication.  **I NO period for reply is specified above, the revisional state of the specified to be specified to be subjected to be specified to be subjected to be US. C. § 133.  **I Status**  **IND**  **Responsive to communication(s) filed on 16 July 2007.  **2a)		10/598,490	ISLAM ET AL.					
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Famour on the many bia arcelular under the processor 37 CFR 1.70(b), throe worth browns, may may be their unity flied.  From period for reply is pecified above, the maximum statisticity principle with participle to the property of the property of the period of the property of the period of the communication.  Fallies to reply when the set of readed point of for 1904 this patience, pages 180 (8) MONITHS from the railing date of this communication.  Fallies to reply when the set of readed point of for 1904 this patience, pages 180 (8) MONITHS from the railing date of this communication.  Fallies to reply when the set of readed point of for 1904 this patience, pages 180 (8) MONITHS from the railing date of this communication.  Fallies to reply when the set of readed point of for 1904 this patience are proportioned.  From the proportion of the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of this communication.  From the pages 180 (8) MONITHS from the railing date of the communication.  From the pages 180 (8) MONITHS from the railing date of the page 180 (8) MONITHS from the railing date of the page 180 (8) MONITHS from the railing date of the page 180 (8) MONITHS from the railing date of the page 180 (8) MONITHS from the railing date of the page 180 (8) MONITHS from the railing date of the pages 180 (8) MONITHS from the pages 180 (8) MONITHS from the pages 180 (8) MONITH	Office Action Summary	Examiner	Art Unit					
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extension for many be admissed and provided and of 2 rest 1, 156, in the event, however, may a regly be timely filed.  - If NO period for regly is specified above, the maximum statutory principle will apply and apply and apply and will apply and apply apply and apply and apply and apply and apply		ears on the cover sheet with the c	orrespondence address					
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a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  1 Interview Summary (PTO-413) Paper No(s)/Mail Date  5) Notice of Informal Patent Application	Priority under 35 U.S.C. § 119							
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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) The invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1, 3, 6-7, 9 are rejected under 35 U.S.C.102 (b) as being anticipated by Brunk et al. (U.S. patent # 5,272,614).

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Brunk et al. disclose the claimed subject matters an electrical system (figures 1 and 4), including a supply connected to load (figure 4, item Uv), a regulator (figure 4, item 12), a coarse adjustment (column 1, line 35-65), and a fine adjustment (column 2, line 1-65) and monitoring output by increasing or decreasing duty cycle (column 4-8, line 1-65).

## Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 2, 4-5, 8, 10-16 rejected under 35 U.S.C. 103(a) as being unpatentable over Brunk et al. (U.S. patent # 5,272,614) in combinations with Lewison (U.S. Patent 5,901,176).

Brunk et al. disclose the claimed subject matters as explained in the claims 1, 3, 6-7, 9, above including a comparing circuit and measuring voltage (column 3, line 50-70 and column 4, line 1-45), except the utilization of the technique for a finely adjust the output to the load by dithering. Lewison teaches the utilization of the similar technique for a finely adjust the output to the load by dithering (column 3-4, line 1-65). It would have been obvious one having ordinary skill in the art at the time the invention was made to modify Brunk et al.'s electrical system by utilizing the technique taught by Lewison for the purpose of reducing harmonic noise generation.

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5. For method claims 17-21, note that under MPEP 21 12.02, the principles of inherency, if a prior art device, in its normal and usual operation, would necessarily perform the method claimed, then the method claimed will be considered to be anticipated by the prior art device. When the prior art device is the same as a device described in the specification for carrying out the claimed method, it can be assumed the device "1 inherently performs the claimed process. In re King, 801 F.2d 1324, 231 USPQ 136 (Fed Cir. 1986). Therefore the previous rejections based on the apparatus will not be repeated.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAJNIKANT B. PATEL whose telephone number is (571)272-2082. The examiner can normally be reached on M-Th 7-5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Akm E. Ullah can be reached on 571-272-2082. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RAJNIKANT B. PATEL/ Primary Examiner, Art Unit 2838

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